

**State of California  
AIR RESOURCES BOARD**

**EXECUTIVE ORDER D-562-45**

Relating to Exemptions under Section 27156 and 38391  
of the Vehicle Code

Valina, Inc. (d.b.a. CarTex)  
"Series 12200 Three-way Catalytic Converters"

WHEREAS, Vehicle Code Sections 27156 and 38395, and Title 13, California Code of Regulations (hereafter "CCR") Section 2222(h), authorize the California Air Resources Board and its Executive Officer to exempt new aftermarket catalytic converters from the prohibitions of Vehicle Code Section 27156 and 38391.

WHEREAS, Valina, Inc. (Valina) of 4560 Worth Street, Los Angeles, California 90063, has applied to the Air Resources Board for exemption from the prohibitions in Vehicle Code Sections 27156 and 38391 to market its new aftermarket Series 12200 three-way catalytic converters (TWC) on selected 1996 through 2005 model year medium-duty vehicles equipped with on-board diagnostic II (OBD-II) systems as specified in Appendix D-562-45 and incorporated herein. Series 12200 TWCs will be used for dual exhaust systems with a single catalytic converter (one unit) in each exhaust bank. The catalytic converters may be sold as a universal or direct fit system.

WHEREAS, pursuant to the authority vested in the Executive Officer by Health and Safety Code Section 39515 and in the Chief, Mobile Source Operations Division by Health and Safety Code Section 39516 and Executive Order G-02-003, the Air Resources Board finds that the above aftermarket catalytic converters comply with the California Vehicle Code Sections 27156 and 38395 and Title 13, California Code of Regulations, Section 2222(h). Emission performance of the catalytic converter was based on durability bench-aging by Umicore Automotive Catalysts USA using the Air Resources Board-modified RAT-A bench-aging cycle for 100 hours as specified in Appendix A to the "California Evaluation Procedures for New Aftermarket Catalytic Converters" as adopted on October 25, 2007.

WHEREAS, previous emissions and OBD II compatibility tests conducted by Valina, Inc. using a vehicle of weight classification and exhaust configuration similar to those listed in Appendix D-562-45 and certified to Low Emission Vehicle (LEV) standards resulted in the issuance of Executive Order D-562-3, it was determined that the installation of Series 12200 TWC on the vehicles listed in Appendix D-562-45 meets the requirements of California regulation for aftermarket catalytic converters.

THEREFORE, IT IS HEREBY RESOLVED that Valina, Inc.'s Series 12200 TWCs are exempted from the prohibitions in Vehicle Code Sections 27156 and 38391 for installation on the approved vehicle applications specified in Appendix D-562-45 subject to the following conditions:

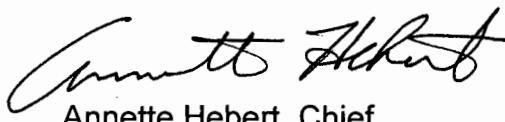
1. No changes are permitted to the catalytic converters as described in the application for exemption. Any changes to the catalytic converters or any of their components, and other factors addressed in this order must be evaluated and approved by the Air Resources Board prior to marketing in California.
2. Marketing of the catalytic converters using identifications other than those shown in the exemption application, and in this Executive Order, or marketing of the catalytic converters for application other than the ones shown in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board. Exemption of these products shall not be construed as an exemption to sell, offer for sale, or advertise any components of the catalytic converters as individual devices.
3. Any oral or written references to this Executive Order or its content by Valina, Inc., its principals, agents, employees, distributors, dealers, or other representatives must include the disclaimer that the Executive Order or the exemption it provides is not an endorsement or approval of any emission reduction claims for the catalytic converters and is only a finding that the catalytic converters are exempt from the prohibitions of Vehicle Code Sections 27156 and 38391.
4. Valina, Inc.'s installation instructions for the new catalytic converters must conform to requirements in Section (h) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," as adopted October 25, 2007.
5. Installation of the catalytic converters shall not cause the relocation of an oxygen sensor. Oxygen sensors must be installed in the same location, position and orientation as prescribed in the original equipment manufacturer's configurations.
6. Upon installation, the catalytic converters must carry a manufacturer's warranty for five (5) years or 50,000 miles as prescribed in Section (f)(2) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," as adopted October 25, 2007.
7. Valina, Inc. and its vendors may not advertise the new aftermarket catalytic converters as "high flow or easy flow" catalytic converters or use any phrase that could make them appear to perform better than the original equipment manufacturer (OEM) catalytic converters.
8. Any marketing arrangement of the new aftermarket catalytic converter by a third party, which involves the use of packaging identification different from the ones described in this Executive Order, must be approved by the Air Resources Board prior to shipment.
9. Valina, Inc., its associates, vendors, other businesses and individuals associated with Valina, Inc. may not sell or supply new aftermarket catalytic converter substrates to a third party to be assembled in a different facility and marketed under this Executive Order without approval from the Air Resources Board.

10. Valina, Inc. shall comply with the quality control procedures and reporting requirements in Section (f)(5) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," as adopted October 25, 2007.
11. Quality control reports must be submitted on a quarterly basis and warranty information reports on a semi-annual basis.
12. Valina, Inc. must provide a permanent label or stamp as specified under Section (f)(1) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," as adopted on October 25, 2007.
13. Valina, Inc.'s vehicle application catalog must conform with the requirements specified under Section (f)(4) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," as adopted on October 25, 2007.

Executive Order D-562-36 dated July 7, 2009, is hereby superseded and of no further force and effect.

Violation of any of the above conditions shall be grounds for revocation of this order. The order may be revoked only after a 30-day written notice of intention to revoke it, during which period the holder of the order may request in writing a hearing to contest the proposed revocation. If a hearing is requested, it shall be held within 30 days of receipt of the request, and the order may not be revoked until a determination is made, after the hearing, that grounds for revocation exist.

Executed at El Monte, California, this 19 day of October 2010.



Annette Hebert, Chief  
Mobile Source Operations Division

**Appendix D-562-45**
**Valina 12200**

No.	Model Year	Make	Model	Test Group Name	Certification Level	Engine Size (liters)	Weight Class	Exhaust Type	Total Converter	Monitoried Converter	Conv. Location	MFR Part Number	Type Application	
													Type Application	
1	2000	BMW	X5	4.4	YBMMXT04.453M	LEV1 LEV	MDV2	D	2TWC	2	F	UNIVERSAL	12230	All
2	2001	BMW	X5	4.4	1BMMXT04.4E53	LEV1 LEV	MDV2	D	2TWC	2	F	UNIVERSAL	12230	All
3	2002	BMW	X5	4.4	2BMMXT04.4E53	LEV1 LEV	MDV2	D	2TWC	2	F	UNIVERSAL	12230	All
4	2002	BMW	X5	4.6	2BMMXT04.6XHP	LEV1 LEV	MDV2	D	2TWC	2	F	UNIVERSAL	12230	All
5	2003	BMW	X5	4.4	38MMXT04.4E53	LEV1 LEV	MDV2	D	2TWC	2	F	UNIVERSAL	12230	All
6	2003	BMW	X5	4.6	3BMMXT04.6XHP	LEV1 LEV	MDV2	D	2TWC	2	F	UNIVERSAL	12230	All
7	2004	BMW	X5	4.4	4BMMXT04.4N62	LEV1 LEV	MDV2	D	2TWC	2	F	UNIVERSAL	12230	All
8	2004	BMW	X5	4.4	5BMMXT04.8N62	LEV1 LEV	MDV2	D	2TWC	2	F	UNIVERSAL	12230	All
9	2004	Buick	Rainier	5.3	4GMXT05.3170	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL	12230	All
10	1999	Cadillac	Escalade	5.7	XGMXA05.7185	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL	12220	All
11	1999	Cadillac	Escalade	5.7	XGMXA05.7186	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL	12220	All
12	1999	Cadillac	Escalade	5.7	XGMXA05.7187	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12220	All
13	2002	Cadillac	Escalade	6	2GMXA06.0194	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL	12230	All
14	2003	Cadillac	Escalade	6	3GMXT06.0187	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL	12230	All
15	1996	Chevrolet	C1500 Suburban	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230	All
16	1996	Chevrolet	C1500	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12220	All
17	1996	Chevrolet	C2500 Suburban	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230	All
18	1996	Chevrolet	C2500 Suburban	7.4	TGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230	All
19	1996	Chevrolet	C2500	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12220	All
20	1996	Chevrolet	C2500	7.4	TGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230	All
21	1996	Chevrolet	C3500	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230	All
22	1996	Chevrolet	C3500	5.7	TGM5.75PG1EK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230	All
23	1996	Chevrolet	C3500	7.4	TGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230	All
24	1996	Chevrolet	K1500 Suburban	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230	All
25	1996	Chevrolet	K1500	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12220	All
26	1996	Chevrolet	K2500 Suburban	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230	All
27	1996	Chevrolet	K2500 Suburban	7.4	TGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230	All
28	1996	Chevrolet	K2500	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12220	All
29	1996	Chevrolet	K2500	7.4	TGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230	All
30	1996	Chevrolet	K3500	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230	All
31	1996	Chevrolet	K3500	5.7	TGM5.75PG1EK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230	All
32	1996	Chevrolet	K3500	7.4	TGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230	All
33	1996	Chevrolet	Tahoe	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230	All
34	1996	Chevrolet	Tahoe	7.4	TGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230	All
35	1997	Chevrolet	C1500 Suburban	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	U	UNIVERSAL	12220	All
36	1997	Chevrolet	C1500 Suburban	5.7	VGM5.7JPG1EK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230	All
37	1997	Chevrolet	C2500	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	U	UNIVERSAL	12230	All
38	1997	Chevrolet	C2500 Suburban	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	U	UNIVERSAL	12220	All
39	1997	Chevrolet	C2500 Suburban	5.7	VGM5.7JPG1EK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230	All
40	1997	Chevrolet	C2500 Suburban	7.4	VGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230	All
41	1997	Chevrolet	C2500	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	U	UNIVERSAL	12230	All
42	1997	Chevrolet	C2500	7.4	VGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230	All
43	1997	Chevrolet	C3500	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	U	UNIVERSAL	12220	All
44	1997	Chevrolet	C3500	7.4	VGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230	All

**Appendix D-562-45**  
**Valina 12200**

No.	Model Year	Make	Model	Test Group Name	Engine Size (liters)	Certification Level	Converter Type	MFR Part Number		Application Type
								Converter Part Type	Universal	
45	1997	Chevrolet	K1500 Suburban	5.7	VGM5.7HPG1EK	TIER1	MDV2	2TWC	2	Universal
46	1997	Chevrolet	K1500 Suburban	5.7	VGM5.7JPG1EK	TIER1	MDV3	2TWC	2	Universal
47	1997	Chevrolet	K1500	5.7	VGM5.7HPG1EK	TIER1	MDV2	2TWC	2	Universal
48	1997	Chevrolet	K2500 Suburban	5.7	VGM5.7HPG1EK	TIER1	MDV2	2TWC	2	Universal
49	1997	Chevrolet	K2500 Suburban	5.7	VGM5.7JPG1EK	TIER1	MDV3	2TWC	2	Universal
50	1997	Chevrolet	K2500 Suburban	7.4	VGM7.4J8G1EK	TIER1	MDV3	2TWC	2	Universal
51	1997	Chevrolet	K2500	5.7	VGM5.7HPG1EK	TIER1	MDV2	2TWC	2	Universal
52	1997	Chevrolet	K2500	7.4	VGM7.4J8G1EK	TIER1	MDV3	2TWC	2	Universal
53	1997	Chevrolet	K3500	5.7	VGM5.7HPG1EK	TIER1	MDV2	2TWC	2	Universal
54	1997	Chevrolet	K3500	7.4	VGM7.4J8G1EK	TIER1	MDV3	2TWC	2	Universal
55	1997	Chevrolet	Tahoe	5.7	VGM5.7JPG1EK	TIER1	MDV3	2TWC	2	Universal
56	1997	Chevrolet	Tahoe	5.7	VGM5.7HPG1EK	TIER1	MDV2	2TWC	2	Universal
57	1997	Chevrolet	Tahoe	7.4	VGM7.4J8G1EK	TIER1	MDV3	2TWC	2	Universal
58	1998	Chevrolet	C1500 Suburban	5.7	WGMXA05.7185	LEV1 LEV	MDV2	2TWC	2	Universal
59	1998	Chevrolet	C1500 Suburban	5.7	WGMXA05.7186	LEV1 LEV	MDV3	2TWC	2	Universal
60	1998	Chevrolet	C1500	5.7	WGMXA05.7182	TIER1	MDV2	2TWC	2	Universal
61	1998	Chevrolet	C1500	5.7	WGMXA05.7184	TIER1	MDV3	2TWC	2	Universal
62	1998	Chevrolet	C1500	5.7	WGMXA05.7187	TIER1	MDV3	2TWC	2	Universal
63	1998	Chevrolet	C2500 Suburban	5.7	WGMXA05.7185	LEV1 LEV	MDV2	2TWC	2	Universal
64	1998	Chevrolet	C2500 Suburban	5.7	WGMXA05.7186	LEV1 LEV	MDV3	2TWC	2	Universal
65	1998	Chevrolet	C2500 Suburban	7.4	WGMXA07.4201	TIER1	MDV3	2TWC	2	Universal
66	1998	Chevrolet	C2500	5.7	WGMXA05.7182	TIER1	MDV2	2TWC	2	Universal
67	1998	Chevrolet	C2500	5.7	WGMXA05.7184	TIER1	MDV3	2TWC	2	Universal
68	1998	Chevrolet	C2500	5.7	WGMXA05.7187	TIER1	MDV3	2TWC	2	Universal
69	1998	Chevrolet	C2500	7.4	WGMXA07.4201	TIER1	MDV3	2TWC	2	Universal
70	1998	Chevrolet	C3500	5.7	WGMXA05.7182	TIER1	MDV2	2TWC	2	Universal
71	1998	Chevrolet	C3500	5.7	WGMXA05.7184	TIER1	MDV3	2TWC	2	Universal
72	1998	Chevrolet	C3500	7.4	WGMXA07.4201	TIER1	MDV3	2TWC	2	Universal
73	1998	Chevrolet	K1500 Suburban	5.7	WGMXA05.7185	LEV1 LEV	MDV2	2TWC	2	Universal
74	1998	Chevrolet	K1500 Suburban	5.7	WGMXA05.7186	LEV1 LEV	MDV3	2TWC	2	Universal
75	1998	Chevrolet	K1500	5.7	WGMXA05.7182	TIER1	MDV2	2TWC	2	Universal
76	1998	Chevrolet	K1500	5.7	WGMXA05.7184	TIER1	MDV3	2TWC	2	Universal
77	1998	Chevrolet	K2500	5.7	WGMXA05.7187	TIER1	MDV2	2TWC	2	Universal
78	1998	Chevrolet	K2500 Suburban	5.7	WGMXA05.7185	LEV1 LEV	MDV3	2TWC	2	Universal
79	1998	Chevrolet	K2500 Suburban	5.7	WGMXA05.7186	LEV1 LEV	MDV3	2TWC	2	Universal
80	1998	Chevrolet	K2500 Suburban	7.4	WGMXA07.4201	TIER1	MDV3	2TWC	2	Universal
81	1998	Chevrolet	K2500	5.7	WGMXA05.7182	TIER1	MDV2	2TWC	2	Universal
82	1998	Chevrolet	K2500	5.7	WGMXA05.7184	TIER1	MDV3	2TWC	2	Universal
83	1998	Chevrolet	K2500	5.7	WGMXA05.7187	TIER1	MDV3	2TWC	2	Universal
84	1998	Chevrolet	K2500	7.4	WGMXA07.4201	TIER1	MDV3	2TWC	2	Universal
85	1998	Chevrolet	K3500	5.7	WGMXA05.7182	TIER1	MDV2	2TWC	2	Universal
86	1998	Chevrolet	K3500	5.7	WGMXA05.7184	TIER1	MDV3	2TWC	2	Universal
87	1998	Chevrolet	K3500	7.4	WGMXA07.4201	TIER1	MDV3	2TWC	2	Universal
88	1998	Chevrolet	Tahoe	5.7	WGMXA05.7185	LEV1 LEV	MDV2	2TWC	2	Universal

**Appendix D-562-45**

**Valina 12200**

No.	Model	Year	Make	Model	Certification Level	Exhaust Type	Converter Type	Converter Part Type	MFR Part Number	Application Type	
89	1998	Chevrolet	Tahoe	5.7	WGMXA05.7186	LEV1 LEV	MDV3	D	2TWC	2	U UNIVERSAL
90	1998	Chevrolet	Tahoe	7.4	WGMXA07.4201	TIER1	MDV3	D	2TWC	2	U UNIVERSAL
91	1999	Chevrolet	C1500 Suburban	5.7	XGMXA05.7185	LEV1 LEV	MDV2	D	2TWC	2	U UNIVERSAL
92	1999	Chevrolet	C1500 Suburban	5.7	XGMXA05.7187	LEV1 LEV	MDV3	D	2TWC	2	U UNIVERSAL
93	1999	Chevrolet	C1500 Suburban	5.7	XGMXA05.7186	LEV1 LEV	MDV3	D	2TWC	2	U UNIVERSAL
94	1999	Chevrolet	C1500	4.3	XGMXA04.3194	LEV1 LEV	MDV2	D	2TWC	2	U UNIVERSAL
95	1999	Chevrolet	C1500	4.3	XGMXA04.3195	TIER1	MDV2	D	2TWC	2	U UNIVERSAL
96	1999	Chevrolet	C1500	4.8	XGMXA04.8184	TIER1	MDV2	D	2TWC	2	U UNIVERSAL
97	1999	Chevrolet	C1500	5.7	XGMXA05.7182	TIER1	MDV2	D	2TWC	2	U UNIVERSAL
98	1999	Chevrolet	C2500 Suburban	5.7	XGMXA05.7185	LEV1 LEV	MDV2	D	2TWC	2	U UNIVERSAL
99	1999	Chevrolet	C2500 Suburban	5.7	XGMXA05.7187	LEV1 LEV	MDV3	D	2TWC	2	U UNIVERSAL
100	1999	Chevrolet	C2500 Suburban	7.4	XGMXA07.4201	TIER1	MDV3	D	2TWC	2	U UNIVERSAL
101	1999	Chevrolet	C2500	4.3	XGMXA04.3194	LEV1 LEV	MDV2	D	2TWC	2	U UNIVERSAL
102	1999	Chevrolet	C2500	4.3	XGMXA04.3195	TIER1	MDV2	D	2TWC	2	U UNIVERSAL
103	1999	Chevrolet	C2500	4.8	XGMXA04.8184	TIER1	MDV2	D	2TWC	2	U UNIVERSAL
104	1999	Chevrolet	C2500	5.7	XGMXA05.7182	TIER1	MDV2	D	2TWC	2	U UNIVERSAL
105	1999	Chevrolet	C2500	7.4	XGMXA07.4201	TIER1	MDV3	D	2TWC	2	U UNIVERSAL
106	1999	Chevrolet	C3500	5.7	XGMXA05.7182	TIER1	MDV2	D	2TWC	2	U UNIVERSAL
107	1999	Chevrolet	C3500	5.7	XGMXA05.7187	TIER1	MDV3	D	2TWC	2	U UNIVERSAL
108	1999	Chevrolet	C3500	6	XGMXA06.0183	TIER1	MDV3	D	2TWC	2	U UNIVERSAL
109	1999	Chevrolet	C3500	7.4	XGMXA07.4201	TIER1	MDV3	D	2TWC	2	U UNIVERSAL
110	1999	Chevrolet	Express 2500	5.7	XGMXA05.7185	LEV1 LEV	MDV2	D	2TWC	2	U UNIVERSAL
111	1999	Chevrolet	Express 3500	5.7	XGMXA05.7185	LEV1 LEV	MDV2	D	2TWC	2	U UNIVERSAL
112	1999	Chevrolet	Express 3500	7.4	XGMXA07.4201	TIER1	MDV3	D	2TWC	2	U UNIVERSAL
113	1999	Chevrolet	K1500	4.3	XGMXA04.3194	LEV1 LEV	MDV2	D	2TWC	2	U UNIVERSAL
114	1999	Chevrolet	K1500	4.3	XGMXA04.3195	TIER1	MDV2	D	2TWC	2	U UNIVERSAL
115	1999	Chevrolet	K1500	4.8	XGMXA04.8184	TIER1	MDV2	D	2TWC	2	U UNIVERSAL
116	1999	Chevrolet	K1500	5.7	XGMXA05.7182	TIER1	MDV2	D	2TWC	2	U UNIVERSAL
117	1999	Chevrolet	K2500 Suburban	7.4	XGMXA07.4201	TIER1	MDV3	D	2TWC	2	U UNIVERSAL
118	1999	Chevrolet	K2500	4.3	XGMXA04.3194	LEV1 LEV	MDV2	D	2TWC	2	U UNIVERSAL
119	1999	Chevrolet	K2500	4.3	XGMXA04.3195	TIER1	MDV2	D	2TWC	2	U UNIVERSAL
120	1999	Chevrolet	K2500	4.8	XGMXA04.8184	TIER1	MDV2	D	2TWC	2	U UNIVERSAL
121	1999	Chevrolet	K2500	5.7	XGMXA05.7182	TIER1	MDV2	D	2TWC	2	U UNIVERSAL
122	1999	Chevrolet	K2500	7.4	XGMXA07.4201	TIER1	MDV3	D	2TWC	2	U UNIVERSAL
123	1999	Chevrolet	K3500	5.7	XGMXA05.7182	TIER1	MDV2	D	2TWC	2	U UNIVERSAL
124	1999	Chevrolet	K3500	5.7	XGMXA05.7187	TIER1	MDV3	D	2TWC	2	U UNIVERSAL
125	1999	Chevrolet	K3500	7.4	XGMXA07.4201	TIER1	MDV1	LEV	MDV3	2	U UNIVERSAL
126	1999	Chevrolet	Silverado 2500	6	XGMXA06.0182	TIER1	MDV1	LEV	MDV2	2	U UNIVERSAL
127	1999	Chevrolet	Tahoe	5.7	XGMXA05.7185	LEV1 LEV	MDV2	D	2TWC	2	U UNIVERSAL
128	1999	Chevrolet	Tahoe	5.7	XGMXA05.7186	LEV1 LEV	MDV3	D	2TWC	2	U UNIVERSAL
129	1999	Chevrolet	Tahoe	5.7	XGMXA05.7187	LEV1 LEV	MDV3	D	2TWC	2	U UNIVERSAL
130	2000	Chevrolet	C2500	5.7	YGMXA05.7191	TIER1	MDV3	D	2TWC	2	U UNIVERSAL
131	2000	Chevrolet	C2500	7.4	YGMXA07.4201	TIER1	MDV3	D	2TWC	2	U UNIVERSAL
132	2000	Chevrolet	C3500	5.7	YGMXA05.7191	TIER1	MDV3	D	2TWC	2	U UNIVERSAL

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Valina 12200

No.	Model Year	Make	Model	Test Group Name	Certification Level	Engine Size (liters)	Weight Class	Exhaust Type	Monitoried Converter	Total Converter	MFR Part Number	Application Type
133	2000	Chevrolet	C3500	7.4	YGMXA07.4201	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL
134	2000	Chevrolet	K2500	5.7	YGMXA05.7191	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL
135	2000	Chevrolet	K2500	7.4	YGMXA07.4201	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL
136	2000	Chevrolet	K2500	7.4	YGMXA07.4201	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL
137	2000	Chevrolet	K3500	5.7	YGMXA05.7191	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL
138	2000	Chevrolet	K3500	7.4	YGMXA07.4201	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL
139	2000	Chevrolet	Silverado 1500	4.3	YGMXT04.3184	TIER1	MDV2	D	2TWC	2	U	UNIVERSAL
140	2000	Chevrolet	Silverado 1500	4.3	YGMXA04.3190	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL
141	2000	Chevrolet	Silverado 1500	5.3	YGMXA05.3183	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL
142	2000	Chevrolet	Silverado 1500	5.3	YGMXA05.3181	TIER1	MDV2	D	2TWC	2	U	UNIVERSAL
143	2000	Chevrolet	Silverado 2500	4.3	YGMXA04.3190	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL
144	2000	Chevrolet	Silverado 2500	5.3	YGMXA05.3183	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL
145	2000	Chevrolet	Tahoe	5.3	YGMXA05.3181	TIER1	MDV2	D	2TWC	2	U	UNIVERSAL
146	2000	Chevrolet	Tahoe	5.7	YGMXA05.7194	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL
147	2001	Chevrolet	Express 2500	6	1GMXA06.0194	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL
148	2001	Chevrolet	Express 3500	6	1GMXA06.0194	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL
149	2001	Chevrolet	Silverado 1500	4.3	1GMXA04.3190	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL
150	2001	Chevrolet	Silverado 1500	5.3	1GMXA05.3184	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL
151	2001	Chevrolet	Silverado 2500	5.3	1GMXA05.3184	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL
152	2001	Chevrolet	Tahoe	5.3	1GMXA05.3184	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL
153	2002	Chevrolet	Express 1500	6	2GMXA06.0194	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL
154	2002	Chevrolet	Express 2500	6	2GMXA06.0194	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL
155	2003	Chevrolet	Express 1500	4.8	3GMXT05.3183	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL
156	2003	Chevrolet	Express 1500	5.3	3GMXT05.3183	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL
157	2003	Chevrolet	Express 1500	5.3	3GMXT05.3184	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL
158	2003	Chevrolet	Express 2500	5.3	3GMXT05.3183	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL
159	2003	Chevrolet	Express 2500	5.3	3GMXT05.3184	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL
160	2003	Chevrolet	Silverado 1500	4.8	3GMXT05.3183	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL
161	2003	Chevrolet	Silverado 1500	4.8	3GMXT05.3184	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL
162	2003	Chevrolet	Silverado 1500	6	3GMXT06.0187	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL
163	2003	Chevrolet	SSR	5.3	3GMXT05.3183	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL
164	2003	Chevrolet	Tahoe	4.8	3GMXT05.3184	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL
165	2003	Chevrolet	Trailblazer	5.3	3GMXT05.3183	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL
166	2004	Chevrolet	Express 1500	4.3	4GMXT04.3184	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL
167	2004	Chevrolet	Express 2500	4.3	4GMXT04.3184	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL
168	2004	Chevrolet	Silverado 1500	4.3	4GMXT04.3184	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL
169	2004	Chevrolet	Silverado 1500	5.3	4GMXT05.3170	LEV1 LEV	MDV2	D	2TWC	2	F	UNIVERSAL
170	2004	Chevrolet	SSR	5.3	4GMXT05.3170	LEV1 LEV	MDV2	D	2TWC	2	F	UNIVERSAL
171	2004	Chevrolet	Trailblazer	5.3	4GMXT05.3170	LEV1 LEV	MDV2	D	2TWC	2	F	UNIVERSAL
172	2004	Dodge	Ram 1500 Truck	8.3	4CRXT08.3570	LEV1 LEV	MDV2	D	2TWC	2	F	UNIVERSAL
173	2005	Dodge	Dakota	4.7	5CRX04.7550	LEV1 LEV	MDV2	D	2TWC	2	F	UNIVERSAL
174	2005	Dodge	Ram 1500 Truck	4.7	5CRX04.7550	LEV1 LEV	MDV2	D	2TWC	2	F	UNIVERSAL
175	2005	Dodge	Ram 2500 Truck	5.7	5CRX05.7750	LEV1 LEV	MDV3	D	2TWC	2	F	UNIVERSAL
176	2005	Dodge	Ram 3500 Truck	5.7	5CRX05.7750	LEV1 LEV	MDV3	D	2TWC	2	F	UNIVERSAL

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No.	Model Year	Make	Model	Test Group Name	Certification Level	Exhaust Type	Converter Type	MFR Part Number	Application		
									Conv. Location	Total Converter	Monitored Converter
177	1996	GMC	C1500 Suburban	5.7	TGM5.75PGFEK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
178	1996	GMC	C1500	5.7	TGM5.75PGFEK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
179	1996	GMC	C2500 Suburban	5.7	TGM5.75PGFEK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
180	1996	GMC	C2500 Suburban	7.4	TGM7.4J8G1EK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
181	1996	GMC	C2500	5.7	TGM5.75PGFEK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
182	1996	GMC	C2500	7.4	TGM7.4J8G1EK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
183	1996	GMC	C3500	5.7	TGM5.75PGFEK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
184	1996	GMC	C3500	5.7	TGM5.75PG1EK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
185	1996	GMC	C3500	7.4	TGM7.4J8G1EK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
186	1996	GMC	G3500	5.7	TGM5.75PGFEK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
187	1996	GMC	G3500	7.4	TGM7.4J8G1EK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
188	1996	GMC	K1500 Suburban	5.7	TGM5.75PGFEK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
189	1996	GMC	K1500	5.7	TGM5.75PGFEK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
190	1996	GMC	K2500 Suburban	5.7	TGM5.75PGFEK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
191	1996	GMC	K2500 Suburban	7.4	TGM7.4J8G1EK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
192	1996	GMC	K2500	5.7	TGM5.75PGFEK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
193	1996	GMC	K2500	7.4	TGM7.4J8G1EK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
194	1996	GMC	K3500	5.7	TGM5.75PGFEK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
195	1996	GMC	K3500	5.7	TGM5.75PG1EK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
196	1996	GMC	K3500	7.4	TGM7.4J8G1EK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
197	1996	GMC	Savana 2500	5.7	TGM5.75PGFEK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
198	1996	GMC	Savana 2500	7.4	TGM7.4J8G1EK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
199	1997	GMC	C1500 Suburban	5.7	VGM5.7HGP1EK	TIER1	MDV2 D	2TWC	2	U	UNIVERSAL
200	1997	GMC	C1500 Suburban	5.7	VGM5.7J1PG1EK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
201	1997	GMC	C1500	5.7	VGM5.7HGP1EK	TIER1	MDV2 D	2TWC	2	U	UNIVERSAL
202	1997	GMC	C2500 Suburban	5.7	VGM5.7HGP1EK	TIER1	MDV2 D	2TWC	2	U	UNIVERSAL
203	1997	GMC	C2500 Suburban	5.7	VGM5.7J1PG1EK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
204	1997	GMC	C2500 Suburban	7.4	VGM7.4J8G1EK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
205	1997	GMC	C2500	5.7	VGM5.7HGP1EK	TIER1	MDV2 D	2TWC	2	U	UNIVERSAL
206	1997	GMC	C2500	7.4	VGM7.4J8G1EK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
207	1997	GMC	C3500	5.7	VGM5.7HGP1EK	TIER1	MDV2 D	2TWC	2	U	UNIVERSAL
208	1997	GMC	C3500	7.4	VGM7.4J8G1EK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
209	1997	GMC	K1500 Suburban	5.7	VGM5.7HGP1EK	TIER1	MDV2 D	2TWC	2	U	UNIVERSAL
210	1997	GMC	K1500 Suburban	5.7	VGM5.71PG1EK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
211	1997	GMC	K1500	5.7	VGM5.7HGP1EK	TIER1	MDV2 D	2TWC	2	U	UNIVERSAL
212	1997	GMC	K2500 Suburban	5.7	VGM5.7HGP1EK	TIER1	MDV2 D	2TWC	2	U	UNIVERSAL
213	1997	GMC	K2500 Suburban	5.7	VGM5.71PG1EK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
214	1997	GMC	K2500	7.4	VGM7.4J8G1EK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
215	1997	GMC	K2500	5.7	VGM5.7HGP1EK	TIER1	MDV2 D	2TWC	2	U	UNIVERSAL
216	1997	GMC	K3500	7.4	VGM7.4J8G1EK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
217	1997	GMC	K3500	5.7	VGM5.7HGP1EK	TIER1	MDV2 D	2TWC	2	U	UNIVERSAL
218	1997	GMC	K3500	7.4	VGM7.4J8G1EK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
219	1997	GMC	Savana 2500	5.7	VGM5.71PG1EK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL
220	1997	GMC	Savana 2500	7.4	VGM7.4J8G1EK	TIER1	MDV3 D	2TWC	2	U	UNIVERSAL

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No.	Model	Year	Make	Model	Engine Size (liters)	Certification Level	Test Group Name	Converter Type	Converter Part Type	Part Number	Type	Application		
												Weight Class	Exhaust Type	Total Converter
221	1997	GMC		Savana 3500	5.7	VGM5.7JP1EK	TIER1	MDV3	2TWC	2	U	UNIVERSAL	12230	ALL
222	1997	GMC		Savana 3500	7.4	VGM7.4J8G1EK	TIER1	MDV3	2TWC	2	U	UNIVERSAL	12250	ALL
223	1998	GMC	C1500 Suburban	5.7	WGMMXA05.7185	LEV1 LEV	MDV2	2TWC	2	U	UNIVERSAL	12220	ALL	
224	1998	GMC	C1500 Suburban	5.7	WGMMXA05.7186	LEV1 LEV	MDV3	2TWC	2	U	UNIVERSAL	12220	ALL	
225	1998	GMC	C1500	5.7	WGMMXA05.7182	TIER1	MDV2	2TWC	2	U	UNIVERSAL	12220	ALL	
226	1998	GMC	C1500	5.7	WGMMXA05.7184	TIER1	MDV3	2TWC	2	U	UNIVERSAL	12220	ALL	
227	1998	GMC	C1500	5.7	WGMMXA05.7187	TIER1	MDV3	2TWC	2	U	UNIVERSAL	12220	ALL	
228	1998	GMC	C2500 Suburban	5.7	WGMMXA05.7185	LEV1 LEV	MDV2	2TWC	2	U	UNIVERSAL	12220	ALL	
229	1998	GMC	C2500 Suburban	5.7	WGMMXA05.7186	LEV1 LEV	MDV3	2TWC	2	U	UNIVERSAL	12220	ALL	
230	1998	GMC	C2500 Suburban	7.4	WGMMXA05.4201	TIER1	MDV3	2TWC	2	U	UNIVERSAL	12230	ALL	
231	1998	GMC	C2500	5.7	WGMMXA05.7182	TIER1	MDV2	2TWC	2	U	UNIVERSAL	12220	ALL	
232	1998	GMC	C2500	5.7	WGMMXA05.7184	TIER1	MDV3	2TWC	2	U	UNIVERSAL	12220	ALL	
233	1998	GMC	C2500	5.7	WGMMXA05.7187	TIER1	MDV3	2TWC	2	U	UNIVERSAL	12220	ALL	
234	1998	GMC	C2500	7.4	WGMMXA07.4201	TIER1	MDV3	2TWC	2	U	UNIVERSAL	12230	ALL	
235	1998	GMC	C3500	5.7	WGMMXA05.7182	TIER1	MDV2	2TWC	2	U	UNIVERSAL	12220	ALL	
236	1998	GMC	C3500	5.7	WGMMXA05.7184	TIER1	MDV3	2TWC	2	U	UNIVERSAL	12220	ALL	
237	1998	GMC	C3500	7.4	WGMMXA07.4201	TIER1	MDV3	2TWC	2	U	UNIVERSAL	12230	ALL	
238	1998	GMC	K1500 Suburban	5.7	WGMMXA05.7185	LEV1 LEV	MDV2	2TWC	2	U	UNIVERSAL	12220	ALL	
239	1998	GMC	K1500 Suburban	5.7	WGMMXA05.7186	LEV1 LEV	MDV3	2TWC	2	U	UNIVERSAL	12220	ALL	
240	1998	GMC	K1500	5.7	WGMMXA05.7182	TIER1	MDV2	2TWC	2	U	UNIVERSAL	12220	ALL	
241	1998	GMC	K1500	5.7	WGMMXA05.7184	TIER1	MDV3	2TWC	2	U	UNIVERSAL	12220	ALL	
242	1998	GMC	K1500	5.7	WGMMXA05.7187	TIER1	MDV3	2TWC	2	U	UNIVERSAL	12220	ALL	
243	1998	GMC	K2500 Suburban	5.7	WGMMXA05.7185	LEV1 LEV	MDV2	2TWC	2	U	UNIVERSAL	12220	ALL	
244	1998	GMC	K2500 Suburban	5.7	WGMMXA05.7186	LEV1 LEV	MDV3	2TWC	2	U	UNIVERSAL	12220	ALL	
245	1998	GMC	K2500 Suburban	7.4	WGMMXA07.4201	TIER1	MDV3	2TWC	2	U	UNIVERSAL	12230	ALL	
246	1998	GMC	K2500	5.7	WGMMXA05.7182	TIER1	MDV2	2TWC	2	U	UNIVERSAL	12220	ALL	
247	1998	GMC	K2500	5.7	WGMMXA05.7184	TIER1	MDV3	2TWC	2	U	UNIVERSAL	12220	ALL	
248	1998	GMC	K2500	7.4	WGMMXA07.4201	TIER1	MDV3	2TWC	2	U	UNIVERSAL	12230	ALL	
249	1998	GMC	K3500	5.7	WGMMXA05.7182	TIER1	MDV2	2TWC	2	U	UNIVERSAL	12220	ALL	
250	1998	GMC	K3500	5.7	WGMMXA05.7184	TIER1	MDV3	2TWC	2	U	UNIVERSAL	12220	ALL	
251	1998	GMC	K3500	7.4	WGMMXA07.4201	TIER1	MDV3	2TWC	2	U	UNIVERSAL	12230	ALL	
252	1998	GMC	Savana 2500	5.7	WGMMXA05.7186	LEV1 LEV	MDV3	2TWC	2	U	UNIVERSAL	12220	ALL	
253	1998	GMC	Savana 2500	5.7	WGMMXA05.7186	LEV1 LEV	MDV3	2TWC	2	U	UNIVERSAL	12230	ALL	
254	1998	GMC	Savana 2500	7.4	WGMMXA07.4201	TIER1	MDV3	2TWC	2	U	UNIVERSAL	12230	ALL	
255	1998	GMC	Savana 3500	5.7	WGMMXA05.7186	LEV1 LEV	MDV3	2TWC	2	U	UNIVERSAL	12220	ALL	
256	1998	GMC	Savana 3500	5.7	WGMMXA05.7186	LEV1 LEV	MDV3	2TWC	2	U	UNIVERSAL	12230	ALL	
257	1998	GMC	Savana 3500	7.4	WGMMXA07.4201	TIER1	MDV3	2TWC	2	U	UNIVERSAL	12250	ALL	
258	1999	GMC	C1500	4.3	XGMX04.3194	LEV1 LEV	MDV2	2TWC	2	U	UNIVERSAL	12230	ALL	
259	1999	GMC	C1500	4.3	XGMX04.3195	TIER1	MDV2	2TWC	2	U	UNIVERSAL	12230	ALL	
260	1999	GMC	C1500	4.8	XGMX04.8184	TIER1	MDV2	2TWC	2	U	UNIVERSAL	12230	ALL	
261	1999	GMC	C1500	5.7	XGMX04.7182	TIER1	MDV2	2TWC	2	U	UNIVERSAL	12220	ALL	
262	1999	GMC	C2500	4.3	XGMX04.3194	LEV1 LEV	MDV2	2TWC	2	U	UNIVERSAL	12230	ALL	
263	1999	GMC	C2500	4.3	XGMX04.3195	TIER1	MDV2	2TWC	2	U	UNIVERSAL	12230	ALL	
264	1999	GMC	C2500	4.8	XGMX04.8184	TIER1	MDV2	2TWC	2	U	UNIVERSAL	12230	ALL	

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No.	Model	Make	Model	Test Group Name	Exhaust Type	Weight Class	Certification Level	Engine Size (liters)	Converter Type	Converter Part Type	MFR Part Number	Application
									Monitored Converter	Total Converter	Conv. Location	
265	1999	GMC	C2500	5.7 XGMXA05.7182	TIER1	MDV2	D	2TWC	2	U	UNIVERSAL	12220 ALL
266	1999	GMC	C3500	5.7 XGMXA05.7182	TIER1	MDV2	D	2TWC	2	U	UNIVERSAL	12220 ALL
267	1999	GMC	C3500	5.7 XGMXA05.7187	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230 ALL
268	1999	GMC	C3500	6 XGMXA06.0183	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230 ALL
269	1999	GMC	K1500	4.3 XGMXA04.3194	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL	12230 ALL
270	1999	GMC	K1500	4.3 XGMXA04.3195	TIER1	MDV2	D	2TWC	2	U	UNIVERSAL	12230 ALL
271	1999	GMC	K1500	4.8 XGMXA04.8184	TIER1	MDV2	D	2TWC	2	U	UNIVERSAL	12230 ALL
272	1999	GMC	K1500	5.7 XGMXA05.7182	TIER1	MDV2	D	2TWC	2	U	UNIVERSAL	12220 ALL
273	1999	GMC	K2500	4.3 XGMXA04.3194	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL	12230 ALL
274	1999	GMC	K2500	4.3 XGMXA04.3195	TIER1	MDV2	D	2TWC	2	U	UNIVERSAL	12230 ALL
275	1999	GMC	K2500	4.8 XGMXA04.8184	TIER1	MDV2	D	2TWC	2	U	UNIVERSAL	12230 ALL
276	1999	GMC	K2500	5.7 XGMXA05.7182	TIER1	MDV2	D	2TWC	2	U	UNIVERSAL	12220 ALL
277	1999	GMC	K3500	5.7 XGMXA05.7182	TIER1	MDV2	D	2TWC	2	U	UNIVERSAL	12220 ALL
278	1999	GMC	K3500	5.7 XGMXA05.7187	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230 ALL
279	1999	GMC	Savana 3500	7.4 XGMXA07.4201	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12230 ALL
280	1999	GMC	Sierra 2500	6 XGMXA06.0182	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12220 ALL
281	1999	GMC	Sierra 2500	6 XGMXA06.0182	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12220 ALL
282	2000	GMC	C2500	7.4 YGMXA07.4201	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12240 ALL
283	2000	GMC	C3500	7.4 YGMXA07.4201	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12240 ALL
284	2000	GMC	K2500	7.4 YGMXA07.4201	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12240 ALL
285	2000	GMC	K3500	7.4 YGMXA07.4201	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12240 ALL
286	2000	GMC	Savana 3500	7.4 YGMXT04.3184	TIER1	MDV3	D	2TWC	2	U	UNIVERSAL	12250 ALL
287	2000	GMC	Sierra 1500	4.3 YGMXA04.3190	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL	12230 ALL
288	2000	GMC	Sierra 1500	4.3 YGMXA04.3190	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL	12250 ALL
289	2000	GMC	Sierra 1500	5.3 YGMXA05.3183	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL	12230 ALL
290	2000	GMC	Sierra 1500	5.3 YGMXA05.3181	TIER1	MDV2	D	2TWC	2	U	UNIVERSAL	12230 ALL
291	2000	GMC	Sierra 2500	4.3 YGMXA04.3190	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL	12230 ALL
292	2000	GMC	Sierra 2500	5.3 YGMXA05.3183	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL	12230 ALL
293	2001	GMC	Savana 2500	6 YGMXA06.0194	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL	12230 ALL
294	2001	GMC	Savana 3500	6 YGMXA06.0194	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL	12250 ALL
295	2001	GMC	Sierra 1500	4.3 YGMXA04.3190	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL	12230 ALL
296	2001	GMC	Sierra 1500	5.3 YGMXA05.3184	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL	12230 ALL
297	2001	GMC	Sierra 2500	5.3 YGMXA05.3184	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL	12230 ALL
298	2002	GMC	Savana 1500	6 2GMXA06.0194	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL	12230 ALL
299	2002	GMC	Savana 2500	6 2GMXA06.0194	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL	12230 ALL
300	2002	GMC	Yukon	6 2GMXA06.0194	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL	12230 ALL
301	2003	GMC	Envoy	5.3 3GMXT05.3183	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL	12230 ALL
302	2003	GMC	Savana 1500	5.3 3GMXT05.3183	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL	12230 ALL
303	2003	GMC	Savana 1500	5.3 3GMXT05.3184	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL	12230 ALL
304	2003	GMC	Savana 2500	4.3 4GMXT04.3184	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL	12230 ALL
305	2003	GMC	Savana 2500	5.3 3GMXT05.3183	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL	12230 ALL
306	2003	GMC	Savana 2500	5.3 3GMXT05.3184	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL	12230 ALL
307	2003	GMC	Sierra 1500	4.3 4GMXT04.3184	LEV1 LEV	MDV2	D	2TWC	2	U	UNIVERSAL	12230 ALL
308	2003	GMC	Sierra 1500	4.8 3GMXT05.3184	LEV1 LEV	MDV3	D	2TWC	2	U	UNIVERSAL	12230 ALL

**Appendix D-562-45**

**Valina 12200**

No.	Model Year	Make	Model	Test Group Name	Certification Level	Engine Size (liters)	Weight Class	Exhaust Type	Converter Type	Converter Part Type	MFR Part Number	Application Type	
309	2003	GMC	Sierra 1500	5.3	3GMXT05.3183	LEV1 LEV	MDV2 D	2TWC	2	U	UNIVERSAL	12230 ALL	
310	2003	GMC	Yukon	4.8	3GMXT05.3184	LEV1 LEV	MDV3 D	2TWC	2	U	UNIVERSAL	12230 ALL	
311	2003	GMC	Yukon	6	3GMXT06.0187	LEV1 LEV	MDV3 D	2TWC	2	U	UNIVERSAL	12230 ALL	
312	2004	GMC	Savana 1500	4.3	4GMXT04.3184	LEV1 LEV	MDV2 D	2TWC	2	U	UNIVERSAL	12230 ALL	
313	2004	GMC	Savana 1500	5.3	4GMXT05.3170	LEV1 LEV	MDV2 D	2TWC	2	U	UNIVERSAL	12230 ALL	
314	2004	GMC	Savana 2500	5.3	4GMXT05.3170	LEV1 LEV	MDV2 D	2TWC	2	U	UNIVERSAL	12230 ALL	
315	2004	GMC	Sierra 1500	5.3	4GMXT05.3170	LEV1 LEV	MDV2 D	2TWC	2	U	UNIVERSAL	12230 ALL	
316	2004	GMC	Yukon XL 1500	5.3	4GMXT05.3170	LEV1 LEV	MDV2 D	2TWC	2	U	UNIVERSAL	12230 ALL	
317	2003	Hummer	H2	6	3GMXT06.0194	LEV1 LEV	MDV3 D	2TWC	2	U	UNIVERSAL	12230 ALL	
318	2003	Hummer	H2	6	3GMXT06.0194	LEV1 LEV	MDV2 D	2TWC	2	U	UNIVERSAL	12250 ALL	
319	2004	Hummer	H2	6	4GMXT06.0194	LEV1 LEV	MDV3 D	2TWC	2	U	UNIVERSAL	12230 ALL	
320	2003	Isuzu	Ascender	5.3	3GMXT05.3183	LEV1 LEV	MDV2 D	2TWC	2	U	UNIVERSAL	12230 ALL	
321	2004	Isuzu	Ascender	5.3	4GMXT05.3170	LEV1 LEV	MDV2 D	2TWC	2	U	UNIVERSAL	12230 ALL	
322	1995	Land Rover	Range Rover	4	SLR4.0H8GOEK	TIER1	MDV2 D	2TWC	2	F	UNIVERSAL	12240 ALL	
323	1996	Land Rover	Range Rover	4.6	TLR4.658GFFK	TIER1	MDV2 D	2TWC	2	F	UNIVERSAL	12240 ALL	
324	1997	Land Rover	Defender 90	4.6	VLR4.658GFEK	TIER1	MDV2 D	2TWC	-	2	F	UNIVERSAL	12240 ALL
325	1997	Land Rover	Discovery	4	VLR4.058GFFK	TIER1	MDV2 D	2TWC	2	F	UNIVERSAL	12240 ALL	
326	1997	Land Rover	Discovery	4.6	VLR4.658GFEK	TIER1	MDV2 D	2TWC	2	F	UNIVERSAL	12240 ALL	
327	1997	Land Rover	Range Rover	4.6	VLR4.658GFEK	TIER1	MDV2 D	2TWC	2	F	UNIVERSAL	12240 ALL	
328	1999	Land Rover	Discovery	4.6	XLRXT04.6001	TIER1	MDV2 D	2TWC	2	F	UNIVERSAL	12240 ALL	
329	1999	Land Rover	Discovery	4.6	XLRXT04.6002	TIER1	MDV2 D	2TWC	2	F	UNIVERSAL	12240 ALL	
330	1999	Land Rover	Range Rover	4.6	XLRXT04.6001	TIER1	MDV2 D	2TWC	2	F	UNIVERSAL	12240 ALL	
331	1999	Land Rover	Range Rover	4.6	XLRXT04.6002	TIER1	MDV2 D	2TWC	2	F	UNIVERSAL	12240 ALL	
332	2001	Land Rover	Discovery	4.6	1LXRXT04.6001	TIER1	MDV2 D	2TWC	2	F	UNIVERSAL	12240 ALL	
333	2001	Land Rover	Range Rover	4.6	1LXRXT04.6001	TIER1	MDV2 D	2TWC	2	F	UNIVERSAL	12240 ALL	
334	2002	Land Rover	Discovery	4	2LRX104.6003	LEV1 LEV	MDV2 D	2TWC	2	F	UNIVERSAL	12240 ALL	
335	2003	Land Rover	Range Rover	4.4	3LRX104.4001	LEV1 LEV	MDV3 D	2TWC	2	F	UNIVERSAL	12240 ALL	
336	2004	Land Rover	Discovery	4.6	4LRX104.6601	LEV1 LEV	MDV2 D	2TWC	2	F	UNIVERSAL	12240 ALL	
337	2004	Land Rover	Range Rover	4.4	4LRX104.4001	LEV1 LEV	MDV2 D	2TWC	2	F	UNIVERSAL	12240 ALL	
338	2004	Nissan	Titan	5.6	4NISXT05.6M9A	LEV1 LEV	MDV2 D	2TWC	2	F	UNIVERSAL	12240 ALL	
339	2001	Toyota	Tundra	4.7	1TYXT04.7FBY	LEV1 LEV	MDV2 D	2TWC	2	F	UNIVERSAL	12230 ALL	
340	2002	Toyota	Tundra	4.7	2TYXT04.7FBY	LEV1 LEV	MDV2 D	2TWC	2	F	UNIVERSAL	12230 ALL	